

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 May 2004 (13.05.2004)

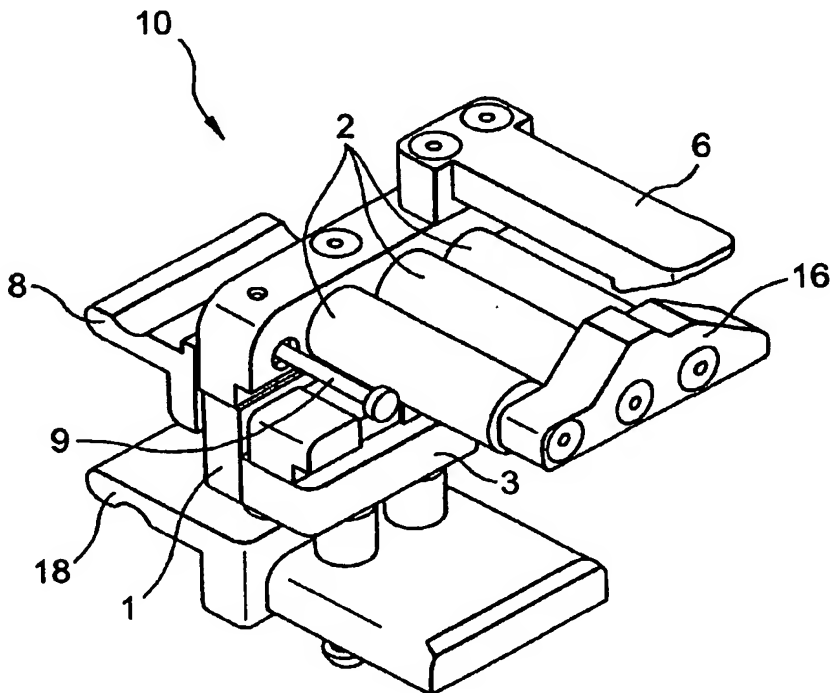
PCT

(10) International Publication Number
WO 2004/039712 A1

- (51) International Patent Classification⁷: **B65H 37/00** [JP/JP]; 5-8, Magarimatus 2-chome, Hadano, Kanagawa 259-31 (JP).
- (21) International Application Number: PCT/US2003/030951 (74) Agents: KNECHT, Harold, C., III, et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
- (22) International Filing Date: 1 October 2003 (01.10.2003)
- (25) Filing Language: English (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (26) Publication Language: English
- (30) Priority Data: 2002-312741 28 October 2002 (28.10.2002) JP (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
- (71) Applicant (*for all designated States except US*): 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): FUJIWARA, Daisuke

[Continued on next page]

(54) Title: TAPE APPLICATION JIG FOR PRESSURE SENSITIVE ADHESIVE TAPE



(57) Abstract: A tape application jig (10) comprising a tape application head (2), a jig guide (3) and a tape holding member consisting of a pair of members (6, 16) combined so as to face each other in vertical direction. The jig guide (3) comprises a guide pin (13) capable of abutting during the movement of the jig guide against the surface of the adherent opposite to the tape applying surface portion.



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/us 03/30951

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65H37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21, 3 August 2001 (2001-08-03) -& JP 2001 097636 A (THREE M INNOVATIVE PROPERTIES CO), 10 April 2001 (2001-04-10) abstract	1,2,4,6, 7
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 03, 3 April 2002 (2002-04-03) -& JP 2001 328573 A (LINTEC CORP; HONDA MOTOR CO LTD), 27 November 2001 (2001-11-27) abstract	1,2,4,7
-/-		



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

20 February 2004

Date of mailing of the international search report

02/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pollet, D

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/30951

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 10, 10 October 2002 (2002-10-10) -& JP 2002 167110 A (THREE M INNOVATIVE PROPERTIES CO), 11 June 2002 (2002-06-11) abstract -----	1,2,4,6, 7
A	WO 01 10703 A (KANSAI PAINT CO LTD ;SHINOZAKI MITSUHIKO (JP); ANDO SHOJI (JP)) 15 February 2001 (2001-02-15) -----	

INTERNATIONAL SEARCH REPORT

ation on patent family members

Internat Application No
PCT/us 03/30951

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2001097636 A	10-04-2001	NONE	
JP 2001328573 A	27-11-2001	NONE	
JP 2002167110 A	11-06-2002	NONE	
WO 0110703 A	15-02-2001	JP 2001115117 A CA 2378975 A1 WO 0110703 A1	24-04-2001 15-02-2001 15-02-2001